Table R-6: 1993 Key Source Tier 1 Analysis - Level Assessment

IPCC Source Categories	Direct Greenhouse Gas	Base Year Estimate (Tg CO_2 Eq.)	Current Year Estimate (Tg CO_2 Eq.)	Level Assessment	Cumulative Total
CO_2 Emissions from Stationary Combustion - Coal	CO_2	1,697.29	1,777.91	0.28	0.28
Mobile Combustion: Road & Other	CO_2	1,244.98	1,284.81	0.20	0.48
CO_2 Emissions from Stationary Combustion - Gas	CO_2	976.63	1,065.16	0.17	0.65
CO_2 Emissions from Stationary Combustion - Oil	CO_2	669.99	655.08	0.10	0.76
CH_4 Emissions from Solid Waste Disposal Sites	CH4	212.07	216.78	0.03	0.79
Direct N_2O Emissions from Agricultural Soils	N_2O	193.71	195.84	0.03	0.82
Mobile Combustion: Aviation	CO_2	176.88	168.04	0.03	0.85
Fugitive Emissions from Natural Gas Operations	CH_4	122.01	127.36	0.02	0.87
CH_4 Emissions from Enteric Fermentation in Domestic Livestock	CH_4	117.85	118.82	0.02	0.89
Indirect N_2O Emissions from Nitrogen Used in Agriculture	N_2O	73.83	77.78	0.01	0.90
CO_2 Emissions from Iron and Steel Production	CO_2	85.41	69.86	0.01	0.91
Fugitive Emissions from Coal Mining and Handling	CH_4	87.12	69.68	0.01	0.92
Mobile Combustion: Road & Other	N_2O	48.56	56.59	0.01	0.93
Mobile Combustion: Marine	CO_2	48.60	48.51	0.01	0.94
SF_6 Emissions from Electrical Equipment	SF_6	32.10	35.14	0.01	0.94
CO_2 Emissions from Cement Production	CO_2	33.28	34.62	0.01	0.95
CH_4 Emissions from Manure Management	CH_4	31.28	32.93	0.01	0.95
HFC-23 Emissions from HCFC-22 Manufacture	HFCs	34.98	31.82	0.01	0.96
Fugitive Emissions from Oil Operations	CH_4	27.49	25.45	<0.01	0.96
CH_4 Emissions from Wastewater Handling	CH_4	24.08	25.34	<0.01	0.97
CO_2 Emissions from Ammonia Production and Urea Application	CO_2	19.31	20.41	<0.01	0.97
N_2O Emissions from Nitric Acid Production	N_2O	17.85	18.57	<0.01	0.97
CO_2 Emissions from Waste Incineration	CO_2	14.07	17.10	<0.01	0.98
N_2O Emissions from Manure Management	N_2O	16.18	16.89	<0.01	0.98
N_2O Emissions from Adipic Acid Production	N_2O	15.20	13.98	<0.01	0.98
PFC Emissions from Aluminum Production	PFCs	18.11	13.86	<0.01	0.98
N_2O Emissions from Wastewater Handling	N_2O	12.71	13.52	<0.01	0.99
Non-CO_2 Emissions from Stationary Combustion	N_2O	12.52	12.93	<0.01	0.99
CO_2 Emissions from Lime Production	CO_2	11.24	11.64	<0.01	0.99
Non-CO_2 Emissions from Stationary Combustion	CH_4	8.14	8.14	<0.01	0.99
CH_4 Emissions from Rice Production	CH_4	7.12	7.02	<0.01	0.99
CO_2 Emissions from Natural Gas Flaring	CO_2	5.51	6.55	<0.01	0.99
CO_2 Emissions from Aluminum Production	CO_2	6.31	5.76	<0.01	0.99
SF_6 Emissions from Magnesium Production	SF_6	5.37	5.51	<0.01	0.99
Emissions from Substitutes for Ozone Depleting Substances	Several	0.94	5.24	<0.01	1.00
CO_2 Emissions from Limestone and Dolomite Use	CO_2	5.47	4.89	<0.01	1.00
Mobile Combustion: Road & Other	CH_4	4.73	4.72	<0.01	1.00

N_2O Emissions from N2O Product Usage	N_2O	4.30	4.48	<0.01	1.00
CO_2 Emissions from Soda Ash Manufacture and Consumption	CO_2	4.14	4.02	<0.01	1.00
PFC, HFC, and SF_6 Emissions from Semiconductor Manufacture	SF_6	2.86	3.58	<0.01	1.00
CO_2 Emissions from Ferroalloys	CO_2	1.98	1.98	<0.01	1.00
Mobile Combustion: Aviation	N_2O	1.71	1.63	<0.01	1.00
CO_2 Emissions from Titanium Dioxide Production	CO_2	1.31	1.55	<0.01	1.00
CH_4 Emissions from Petrochemical Production	CH_4	1.17	1.38	<0.01	1.00
CO_2 Emissions from CO_2 Consumption	CO_2	0.90	0.99	<0.01	1.00
CH_4 Emissions from Agricultural Residue Burning	CH_4	0.68	0.60	<0.01	1.00
Mobile Combustion: Marine	N_2O	0.36	0.43	<0.01	1.00
CO_2 Emissions from Stationary Combustion - Geothermal Energy	CO_2	0.40	0.40	<0.01	1.00
N_2O Emissions from Agricultural Residue Burning	N_2O	0.37	0.34	<0.01	1.00
N_2O Emissions from Waste Incineration	N_2O	0.29	0.26	<0.01	1.00
Mobile Combustion: Aviation	CH_4	0.16	0.14	<0.01	1.00
Mobile Combustion: Marine	CH_4	0.07	0.08	<0.01	1.00
CH_4 Emissions from Silicon Carbide Production	CH_4	0.03	0.02	<0.01	1.00
TOTAL		**6,139.64**	**6,326.15**	**1.00**	

Note: Sinks (e.g., LUCF, Landfill Carbon Storage) are not included in this analysis.